



Yamaha Webinar Series: Sound System Basics Q&A Sheet

| No. | Question | Answer |
|-----|--|---|
| 1 | Does this mean that the inverse square law is not applicable to Line Array Speakers? | Using it theoretically correct line array, the sound would exhibit 3 dB attenuation for each doubling of distance rather than 6 dB. |
| 2 | If being used line array, possible to be within 3 m the first listener ? May be 2 m is the first listener, also still acceptable ? | It is possible , might need to attenuate sound for the bottom speakers. |
| 3 | Are there any limiters too for limiting the power from amp to speaker to avoid speaker damage? | Yes, Using the amp with Inbuilt DSP would have the limiters inside |
| 4 | ok. Won't that help save in terms of using a 500W amp with 200W PGM speaker? | 300-350 watts of Amp enough to power a speaker of 200WPGM , Why waste money on a 500watt amp. |
| 5 | How lower Impedance speakers have higher power. What is the relationship or calculation between Ohms and Power? | All speakers have an impedance rating in ohms, which represents how difficult the speaker is to power. The lower the impedance, the more efficiently it allows the electric signal, which is basically the music, to pass through the speaker |
| 6 | is a copy of the presentation available for us? | Participants will receive the data in PDF file format separately. |
| 7 | which speakers are good for any conference room ,line array or ceiling speakers and why | It is completely on the based on the acoustics and limitations of the place being installed |
| 8 | Which Speaker is best for large board room and Training Rooms (20 to 25 seaters and Training room for 60 Seaters) like ceiling speakers or wall mount | If the rooms are big it would be economical to use Wall mount speakers |
| 9 | can a subwoofer be added to a column array to augment the low end ? | Yes , you can use a sub-woofer for the Low frequencies |
| 10 | how much should be the speaker in the ten seater board room and how much should be the distance | Number of speakers and distance are based on the specifications of the product |
| 11 | Voice lift by using DSP and ceiling mic for video conf setup is that doable or not ? if yes how ? | Yes , Voice lift can be done using the DSP and Ceiling mic , its more a Job of Microphone and DSP . |